

Name: \_\_\_\_\_

### ET\_1021 version 3

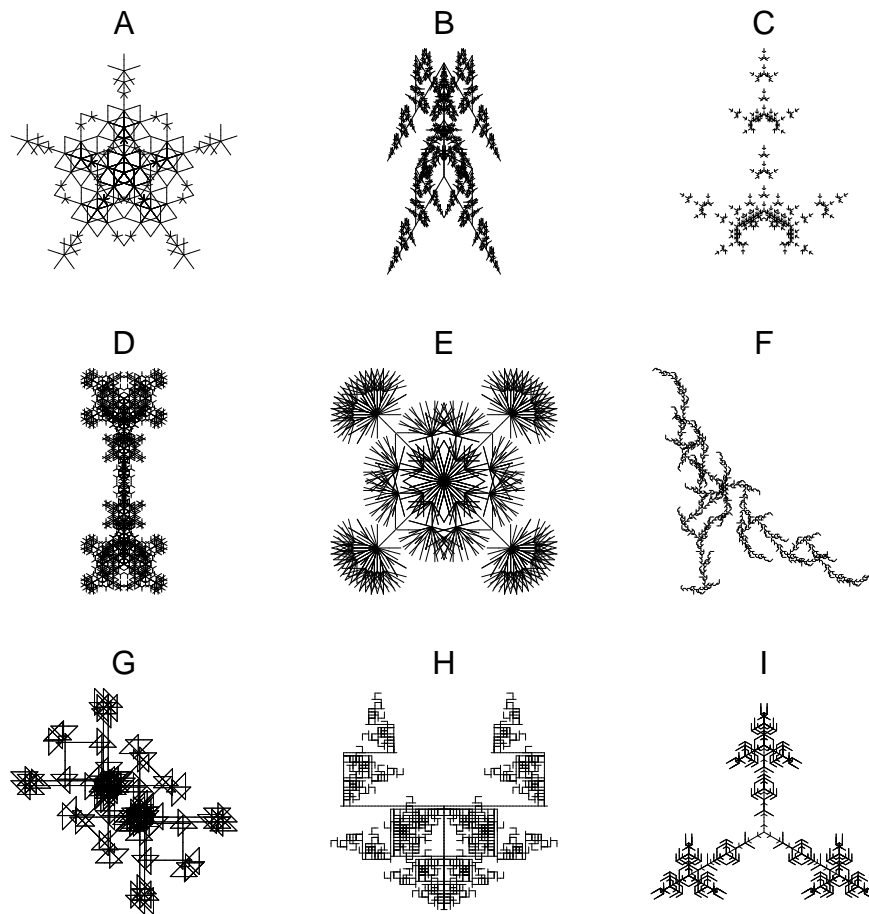
Consider the  $L$ -system (and angle) defined below:

- Start:  $[+A] [-B]$
- Rules:  
     $A > [-CA-CB]A$   
     $B > [+CB+CA]B$   
     $C > CC$

- Number of recursions (number of iterations): 6
- Angle:  $90^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



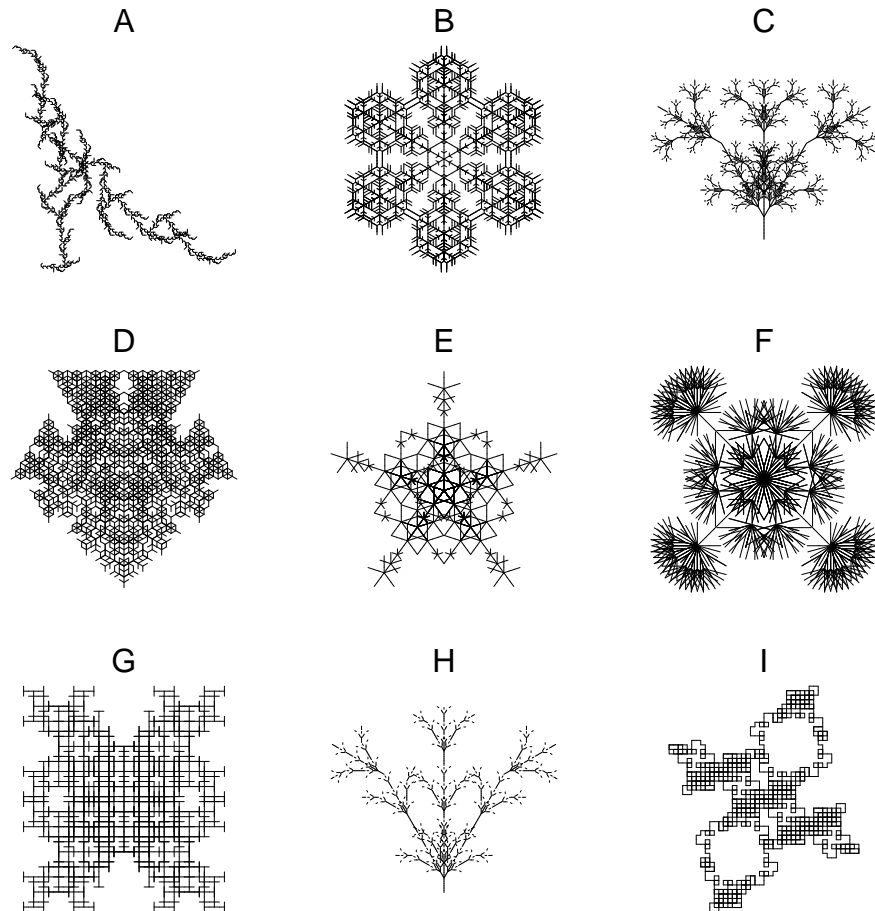
Which pattern is created?

Consider the  $L$ -system (and angle) defined below:

- Start: AA
- Rules:  
 $A \rightarrow B-AA-B$   
 $B \rightarrow AB+B+A$
- Number of recursions (number of iterations): 5
- Angle:  $90^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?